SCC-B9373

DAY&NIGHT IR LED CAMERA

operating instructions

ENG
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GER
SPA
ITA

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SAMSUNG

safety precautions

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS
INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol indicates that dangerous voltage consisting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

WARNING

1. Be sure to use only the standard adapter that is specified in the specification sheet. Using any other adapter could cause fire, electrical shock, or damage to the product.
2. Incorrectly connecting the power supply or replacing battery may cause explosion, fire, electric shock, or damage to the product.
3. Do not connect multiple cameras to a single adapter. Exceeding the capacity may cause abnormal heat generation or fire.
4. Securely plug the power cord into the power receptacle. Insecure connection may cause fire.
5. When installing the camera, fasten it securely and firmly. A falling camera may cause personal injury.
6. Do not place conductive objects (e.g. screwdrivers, coins, metal things, etc.) or containers filled with water on top of the camera.
   Doing so may cause personal injury due to fire, electric shock, or falling objects.
7. Do not install the unit in humid, dusty, or sooty locations.
   Doing so may cause fire or electric shock.
8. If any unusual smells or smoke come from the unit, stop using the product.
   In such case, immediately disconnect the power source and contact the service centre. Continued use in such a condition may cause fire or electric shock.
9. If this product fails to operate normally, contact the nearest service centre.
   Never disassemble or modify this product in any way. (SAMSUNG is not liable for problems caused by unauthorized modifications or attempted repair.)
10. When cleaning, do not spray water directly onto parts of the product.
    Doing so may cause fire or electric shock.

CAUTION

1. Do not drop objects on the product or apply strong shock to it.
   Keep away from a location subject to excessive vibration or magnetic interference.
2. Do not install in a location subject to high temperature (over 122°F), low temperature (below 14°F), or high humidity. Doing so may cause fire or electric shock.
3. If you want to relocate the already installed product, be sure to turn off the power and then move or reinstall it.
4. Remove the power plug from the outlet when then there is a lightning.
   Neglecting to do so may cause fire or damage to the product.
5. Keep out of direct sunlight and heat radiation sources. It may cause fire.
6. Install it in a place with good ventilation.
7. Avoid aiming the camera directly towards extremely bright objects such as sun, as this may damage the CCD image sensor.
8. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
9. The mains plug is used as a disconnect device and shall stay readily operable at any time.

important safety instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings.
   Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers,
   or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug.
   A polarized plug has two blades with one wider than the other.
   A grounding type plug has two blades and a third grounding prong.
   The wide blade or the third prong is provided for your safety.
   If the provided plug does not fit into your outlet, consult an electrician for replacement
   of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs,
    convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with cart, stand, tripod, bracket, or table specified by the manufacturer,
    or sold with the apparatus.
13. Unplug this apparatus. When a cart is used, use caution when moving the cart/
    apparatus combination to avoid injury from tip-over.
14. Refer all servicing to qualified service personnel.
    Servicing is required when the apparatus has been damaged in any way,
    such as power-supply cord or plug is damaged, liquid has been spilled or objects
    have fallen into the apparatus, the apparatus has been exposed to rain or moisture,
    does not operate normally, or been dropped.

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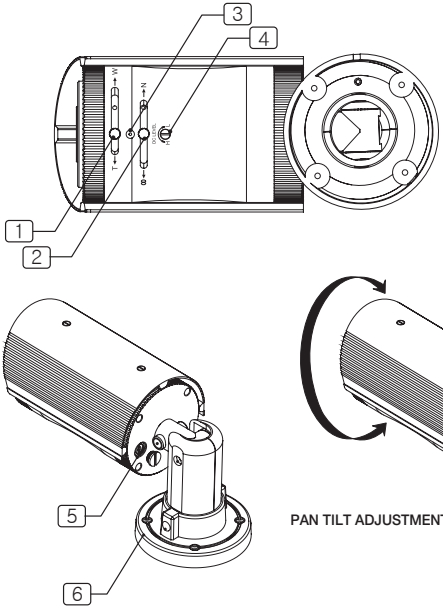
features

- 1/3" Sony super HAD CCD
- Resolution: 540TVL (Color), 570TVL (B/W)
- Minimum Scene Illumination 0 Lux (with LED On)
- IR range Distance up to 70m
- Color & B/W Auto switchable by Photocell and Sensitivity
- Built-in 6~50mm / F1.6 Day & Night Vary-focal DC Auto Iris Lens
- Externally Adjustable Focal Length & Focus with Lever
- Externally Adjustable DC Iris Level
- CDS Photocell Auto Switching IR- LED Control 42 LEDs
- Cable Managed Bracket
- Service Monitor Output
- Waterproof Outdoor Installation (IP-66)
- AC24V / DC12V

things to keep in mind during installation and use

- Do not disassemble the camera on your own.
- Always be careful when handling the camera. Do not strike the camera by your fists or shake it. Please be careful not to be careless when storing and operating it.
- Do not place or operate the camera in any wet environment such as rain or wet surfaces.
- Do not clean the camera with rough sandpaper. Please always use a dry cloth when cleaning it.
- Put the camera in a cool area free from direct sunlight. Otherwise, the camera may be damaged.

name of each part



1 ZOOM LEVER	2 FOCUS LEVER
3 RING GUIDE BOLT	4 DC LEVEL VOLUME SCREW CAP
5 SERVICE VIDEO PORT	6 BRACKET

CAMERA INSTALLATION

- **Zoom and Focus Lever**
  - Loosen the Levers and adjust Zoom/Focus

    After controlling, tighten each lever.

1. Zoom Lever

- To widen the viewing angle, turn the “Zoom Lever” to “W”(Wide)
- To obtain a closer view, turn this Lever to “T” (Tele).

2. Focus Lever

- To adjust the Focus between “N” (Near) or “∞” (Far) until the sharpest focus is achieved.

3. Ring Guide Bolt

- **Be carefull not to lose these small bolts (3pcs) which should not be touched in normal use.**

4. DC Level Volume Screw Cap

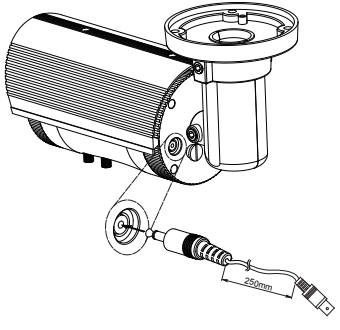
- **Remove this screw Cap carefully. Retain it in a safe place,**

  as it must be replaced to protect from water entering the camera body.
- **The DC level volume for the adjustment in the screw hole.**

- For a bright screen, turn the DC Level Volume slowly towards “H” (counter-clockwise) with the driver provided.
- For a dark screen, turn it towards “L” (clockwise).

- **Then tighten the screw Cap to protect water entering**

5. Service Video Port Description



6. Bracket

Loosen the Pan/Tilt bolts of the bracket to adjust the camera direction.
In reference to page 3.

7. Connecting to Monitor and Power

- Set the impedance switch to the 75Ω standard position unless a video equipment is connected to the monitor video out.
- Adaptor: AC24V / 1.5A or DC12V / 1.5A (AC24V / DC12V Model)

• Be sure to connect power after all the installation is done.
• Do not use power sources other than that specified.

troubleshooting

If you have trouble operating the camera, check the following guides for the possible problem.

- **Nothing appears on the screen.**
  - Check the power connection and video signal line connection.
  - Check the brightness level of DC Auto Iris volume of the camera.
- **The video image is not clear.**
  - Check if the camera glass has dust on the surface. Clean the camera glass with a clean cloth or brush.
  - Make sure that the screen is not exposed directly to a bright light. Adjust the position of the camera if necessary.
  - Check if protective film of camera glass is removed.
- **The screen is dark**
  - Adjust the brightness feature of the monitor.
  - Check the brightness level of DC Auto Iris volume of the camera.
- **The screen does not properly display when IR LEDs work.**
  - Check if the camera glass has dust.
  - Clean the camera glass with a clean cloth or brush.

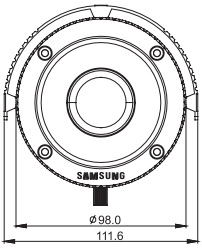
If you cannot solve the problem with above guidelines, please contact an authorized technician.

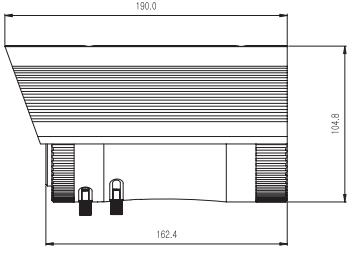
specifications

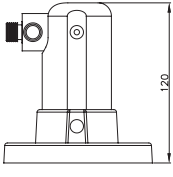
ITEM	NTSC	PAL
Image Sensor	1/3" Interline transfer type color CCD (SONY)	
Effective Pixels	768H × 494V (380K pixels)	752H × 582V (440K pixels)
Scanning System	525 Lines 2:1 Interlace	625 Lines 2:1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)	15.625KHz (H), 50Hz (V)
Resolution	540TVL (Color), 570TVL (B/W)	
Shutter Speed	1/60 sec.	1/50 sec.
S/N Ratio	More than 48dB (AGC Off)	
Sync. System	Internal	
Min. Illumination	0 Lux with IR-LED (42 pcs)	
Video Output	VBS 1.0 Vp-p (75 ohm Load)	
Lens	6~50mm Day&Night Vary-Focal DC Auto Iris Lens (F1.6)	
Power Supply(*)	AC24V / DC12V ± 10%	
Power Consumption	2.5W (LED Off)/ 14.4W (LED On)	
Operating Temp.	14℉~122℉ (-10℃~50℃)	
Operational Humidity	Max. 90% RH	
Dimensions	98mm (Ø) x 162.4mm (L)	

(*) Must use regulated & specified power supply.

dimension







Unit : mm

ENG

Correct Disposal of This Product

(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.